

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re U.S. Patent Application of** )  
 )  
**HANAOKA et al** )  
 )  
**Application Number: To Be Assigned** )  
 )  
**Filed: Concurrently Herewith** )  
 )  
**For: CHANNEL ESTIMATION METHOD** )  
**FOR A MOBILE COMMUNICATION** )  
**SYSTEM** )  
 )  
**Attorney Docket No. NITT.0141** )

**Honorable Assistant Commissioner  
for Patents  
Washington, D.C. 20231**

**INFORMATION DISCLOSURE STATEMENT**

**Sir:**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449.

Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each U.S. and foreign patent, or each publication or portion thereof listed or herein identified, is submitted herewith.

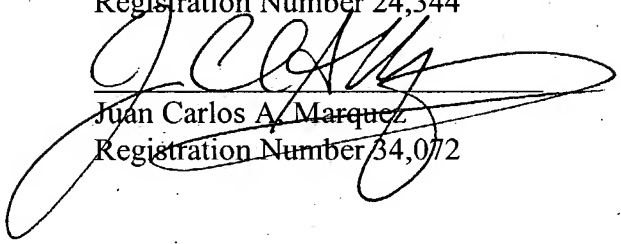
This Information Disclosure Statement is submitted with the initial filing of the application. Accordingly, no fee is due or payable at this time.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Please charge any additional fees or credit any overpayments in connection with this paper to Deposit Account No. 08-1480.

Respectfully submitted,

\_\_\_\_\_  
Stanley P. Fisher  
Registration Number 24,344

  
\_\_\_\_\_  
Juan Carlos A. Marquez  
Registration Number 34,072

**REED SMITH LLP**  
3110 Fairview Park Drive  
Suite 1400  
Falls Church, Virginia 22042  
(703) 641-4200

**June 23, 2003**

Form PTO 1449  U.S. Department of Commerce Patent and Trademark Office  Information Disclosure Statement by Applicant	ATTY. DOCKET NUMBER NITT.0141	SERIAL NUMBER To be Assigned
	APPLICANT HANAOKA et al	
	FILING DATE Concurrently Herewith	GROUP

## U.S. Patent Documents

Examiner Initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE

## Foreign Patent Documents

Examiner Initial		DOCUMENT NUMBER	FILING DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO

## Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

		Hidehiro Andoh and Mamoru Sawahashi, "Channel Estimation Scheme using the Plural Pilot Blocks for DS-CDMA Mobile Radio", The Institute of Electronics, Information and Communication Engineers, Technical Report of IEICE, RCS96-72, Vol. 96, No. 213, August 1996, pp. 45-50
EXAMINER	DATE CONSIDERED	
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant		